

# **User Defined File (UDF) Format Revision 1**

**for  
Federal Implementation Guideline for  
Electronic Data Interchange**

**ASC X12 003050 Transaction Set 840  
Requests for Quotation**

**Implementation Convention  
003050F840\_1 (Revision 1)**

**E  
DPCSC  
I**

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User Defined File (UDF) Format  
for  
Federal 840 Implementation Convention

[REDACTED]

This document provides the structure of the User Defined File (UDF) used by the EDI translator to produce the 840 transaction set for disseminating Requests for Quotation. The 840 transaction set is compliant with the ANSI Standards Committee (ASC) X12 3050 standard. The 840 transaction set is also compliant with the current Federal Government Implementation Convention [REDACTED]. This UDF supports every segment and data element specified in the Federal Government Implementation Convention. The UDF supports each of the data elements at their maximum size in the Federal Government Implementation Convention.

Any optional records for which the application program producing this UDF does not have data will not appear in the UDF. For example, if there is not an "Administrative Communications Contact" which is not tied to an organization, there will not be a record with the Record ID of "03" in the UDF. All optional fields, in a record which is present for which the application program does not have data, are filled with spaces. All mandatory fields for an optional record must have a value if the record is generated. Conditional fields for a generated record must be present or absent based on the conditions specified in the convention.

Alphanumeric fields are identified in the format column by an "X" followed by the length of the field enclosed in parentheses. All alphanumeric fields are left justified with trailing spaces to fill the field.

Numeric fields are identified in the format column by a "9" followed by the length of the field enclosed in parentheses. All numeric fields are right justified with leading zeroes to fill the field. For numeric fields, only negative signs will be transmitted; positive signs will not be transmitted. In the UDF, the sign will be placed in the leftmost position of the field and will contain a "--" for negative numbers and a "0" for positive numbers. To accommodate the sign, the field's length will be one (1) character longer than the element size specified in the Convention.

For numeric fields containing numbers with a fixed number of decimal positions where the decimal point is not transmitted (e.g., a data element with format of "N2"), the decimal point is not present in the UDF. In order to express the implied fixed

decimal point position, a "v" followed by a "9" for each decimal position is found in the format column after the parentheses and the length of the field expressed within the parentheses is decreased by the number of fixed decimal positions. For integers, however, the implied decimal point position need *not* be annotated in the format column using the "v" notation described above because it is understood that there are *no* decimal positions.

For numeric fields containing numbers with a varying number of decimal positions and where decimal positions must be transmitted (e.g., a data element with format of "R15"), the decimal point must be present in the UDF although it is not counted in the length of the field. To accommodate the decimal point, the field's length will be one (1) character longer than the element size specified in the Convention. This is *in addition to* the added character to accommodate the sign. For these types of fields, the field's total length will be two (2) characters longer than the element size specified in the Convention.

All records are described in ascending Record ID number. Any numbers for which there is not a record described are reserved for future use if additional records are needed. The reserved numbers have been selected to minimize the chances that the addition of a new record will require the renumbering of existing records. This minimizes the probability that the existing programs producing the UDF will need to be modified unless the application needs to use the new record.

**DPCSC Special Instructions:** This document contains Special Instructions from the Defense Procurement Corporate Information Management Systems Center (DPCSC) for applications using this UDF for DPCSC sponsored projects. The purpose of the instructions is to achieve the best possible consistency in data transmissions of information exchanged among Defense activities in replacement of other interface mechanisms. These instructions are additive to the instructions within the Federal Implementation Conventions. Note that certain instructions are required for the Standard Procurement System (SPS) and recommended for other applications.

**The following UDF Records have DPCSC Special Instructions:**  
**01, 02, 46, 50, and 62**

## *Control Structure Records*

These records are used to convey the transaction set addressees and envelope data.

### "HEADER" Record - Transaction Addresses

This record provides addressing information when multiple transactions, to be sent to multiple recipients, are generated from one UDF. Multiple address header records must be inserted at the front of the UDF. There will be one address record for each trading partner receiving a copy of the transaction set. The address records must be positioned before any other record in the UDF. If the UDF will only generate one transaction set, to be sent to one recipient, an address record may be present, but is not required.

If a UDF contains more than one address record, all recipients of the transaction set must be using the same version of the UDF. If different trading partners are having their transaction sets/messages generated from different versions of the UDF, different versions of the UDF must be developed by the sending system and the sending system must insert the address record(s) of the trading partners that use each version of the UDF. For example, if a multinational corporation is to receive an "REQOTE" EDIFACT message and all of the internal government trading partners an 840 transaction set, two different versions of the UDF may be required.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 14	X(14)	Address Record Identifier. Must contain the literal "****HEADER****".
02	15 - 29	X(15)	Application Receiver's Code. For the only or first address record, this must match the value of position 18-32 of Record 01 in the UDF. For subsequent address records the value must match the value that would have been inserted into those positions.

**"00" Record - Envelope Data/Information**

This record provides envelope information about an inbound 840 transaction. This record is created by specifying the "0" option on the command line when invoking the translator for an inbound translation. THIS RECORD WILL ONLY EXIST FOR INBOUND UDFs.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 16	X(16)	Trading Partner Code.
02	17 - 18	X(2)	Record ID of "00".
03	19 - 20	X(2)	GS01 Field Document Code.
04	21 - 35	X(15)	GS02 Sender's Application Code.
05	36 - 50	X(15)	GS03 Receiver's Application Code.
06	51 - 56	YYMMDD	GS04 Function Group Date.
07	57 - 62	HHMM	GS05 Function Group Time. The last two positions of this field are blank.
08	63 - 71	X(9)	GS06 Group Control Number.
09	72 - 73	X(2)	GS07 Responsible Agency Code.
10	74 - 85	X(12)	GS08 Version and Release Number.
11	86 - 88	X(3)	ISA = IC Header ID.
12	89 - 89	X(1)	Delimiter (Data Separator).
13	90 - 91	X(2)	ISA01 Authorization Qualifier (BG01/ICS01).
14	92 - 92	X(1)	Delimiter (Data Separator).
15	93 - 102	X(10)	ISA02 Authorization Information (BG02/ICS02).
16	103 - 103	X(1)	Delimiter (Data Separator).

17	104 - 105	X(2)	<b>ISA03 Security Qualifier (BG03/ICS03).</b>
18	106 - 106	X(1)	<b>Delimiter.</b>
19	107 - 116	X(10)	<b>ISA04 Security Information (BG04/ICS04).</b>
20	117 - 117	X(1)	<b>Delimiter.</b>
21	118 - 119	X(2)	<b>ISA05 Interchange Sender Qualifier (BG05/ICS05).</b>
22	120 - 120	X(1)	<b>Delimiter.</b>
23	121 - 135	X(15)	<b>ISA06 Interchange Sender ID (BG06/ICS06).</b>
24	136 - 136	X(1)	<b>Delimiter.</b>
25	137 - 138	X(2)	<b>ISA07 Interchange Receiver Qualifier (BG07/ICS07).</b>
26	139 - 139	X(1)	<b>Delimiter.</b>
27	140 - 154	X(15)	<b>ISA08 Interchange Receiver ID (ICS08).</b>
28	155 - 155	X(1)	<b>Delimiter.</b>
29	156 - 161	YYMMDD	<b>ISA09 Date of Translation (ICS09).</b>
30	162 - 162	X(1)	<b>Delimiter.</b>
31	163 - 166	X(4)	<b>ISA10 Hour of Translation (ICS10).</b>
32	167 - 167	X(1)	<b>Delimiter.</b>
33	168 - 168	X(1)	<b>ISA11 Interchange Standard ID (ICS11).</b>
34	169 - 169	X(1)	<b>Delimiter.</b>
35	170 - 174	X(5)	<b>ISA12 ANSI Version Number (ICS12).</b>

36	175 - 175	X(1)	Delimiter.
37	176 - 184	X(9)	ISA13 Interchange Control Number.
38	185 - 185	X(1)	Delimiter.
39	186 - 186	X(1)	ISA14 Acknowledgement Flag.
40	187 - 187	X(1)	Delimiter.
41	188 - 188	X(1)	ISA15 Test Indicator.
42	189 - 189	X(1)	Delimiter.
43	190 - 190	X(1)	Sub Element Separator.

### **Document Header Records**

These records are used to generate the segments in Table 1 of the 840 transaction set.

#### **"01" Record - Trading Partner/Solicitation/Currency Information**

This record provides information about the set of records used to create an 840 transaction. This record also contains fields that map to the 1/BQT/020 and 1/CUR/040 segments.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "01".
02	03 - 17	X(15)	Application Sender's Code The DUNS Number, DUNS+4, DODAAC or other code identifying the activity sending this transaction.
03	18 - 32	X(15)	Application Receiver's Code. The DUNS Number, DUNS+4, CAGE Code or other code identifying to whom this transaction will be sent.
04	33 - 38	X(6)	X12 Standard Version/Release. Identifies the version of the X12 transaction set that will be developed for this set of records. Must contain the following literal:  "003050"
05	39 - 44	X(6)	Implementation Convention ID. A unique identifier for the Federal IC for this transaction set. Must contain the following literal:  "F840_1"
06	45 - 52	CCYYMMDD	Date. Date this group of records was added to the UDF.

07	53 - 60	HHMMSSDD	Time. Time that this group of records was added to the UDF. "DD" is for hundredths of a seconds.
08	61 - 62	X(2)	Transaction Set Purpose Code. See BQT01 data element.
09	63 - 107	X(45)	Request for Quote Reference Number. See BQT02 data element.
10	108 - 113	YYMMDD	Date. See BQT03 data element.
11	114 - 115	X(2)	Purchase Order Type Code. See BQT06 data element.

**DPCSC Special Instructions:** Use of Field Number 11 is REQUIRED for SPS to identify the type of award instrument expected to result from this solicitation Use of this field is RECOMMENDED for other applications.

12	116 - 117	X(2)	Request for Quote Type Code. See BQT07 data element.
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**DPCSC Special Instructions:** Use of Field Number 12 is REQUIRED for SPS to identify the type solicitation Use of this field is RECOMMENDED for other applications.

13	118 - 119	X(2)	Contract Type Code. See BQT08 data element.
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**DPCSC Special Instructions:** Use of Field Number 13 is REQUIRED for SPS to identify the type of pricing arrangement expected to result from this solicitation. If more than one type applies, cite the predominant type based on anticipated dollar value. Use of this field is RECOMMENDED for other applications.

14	120 - 121	X(2)	Security Level Code. See BQT09 data element.
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15	122 - 123	X(2)	Purchase Category. See BQT10 data element.
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**DPCSC Special Instructions:** Use of Field Number 15 is REQUIRED for SPS to identify the kind of award instrument expected to result from this solicitation. If more than one kind applies, cite the predominant type based on anticipated dollar value. Use of this field is RECOMMENDED for other applications.

16	124 - 125	X(2)	Entity Identifier Code. See CUR01 data element.
17	126 - 128	X(3)	Currency Code. See CUR02 data element.
18	129 - 131	X(3)	Currency Code. See CUR05 data element.

**"02" Record - Reference Number**

This record maps to the 1/REF/050 segment.

**DPCSC Special Instructions :**

An iteration of Record 02 is REQUIRED citing code DS in Field Number 02 whenever a DMS Rating applies to the solicitation. Cite the associated rating in Field Number 03.

<u>Field Number</u>	<u>Position Start - End</u>	<u>Format</u>	<u>Field Name/Comments</u>
01	01 - 02	X(2)	Record ID. Must contain the literal "02".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.
03	05 - 34	X(30)	Reference Number. See REF02 data element.
04	35 - 114	X(80)	Description. See REF03 data element.

**"04" Record - FOB Point**

This record maps to the 1/FOB/080 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "04".
02	03 - 04	X(2)	Shipment Method of Payment. See FOB01 data element.
03	05 - 06	X(2)	Location Qualifier. See FOB02 data element.
04	07 - 08	X(2)	Location Qualifier. See FOB06 data element.

**"05" Record - Header Sale Condition**

This record maps to the 1/CSH/110 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "05".
02	03 - 04	X(2)	Sales Requirement Code. See CSH01 data element.
03	05 - 20	9(14)v99	Amount. See CSH03 data element.
04	21 - 22	X(2)	Agency Qualifier Code. See CSH06 data element.
05	23 - 32	X(10)	Special Services Code. See CSH07 data element.
06	33 - 34	X(2)	Product/Service Substitution Code. See CSH08 data element.
07	35 - 46	9(12)	Percent. See CSH09 data element.

**"06" Record - Services, Promotions, Allowances, and Charges**

This record maps to the 1/SAC/120 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "06".
02	03 - 03	X(1)	Allowance or Charge Indicator. See SAC01 data element.
03	04 - 07	X(4)	Service, Promotion, Allowance, or Charge Code. See SAC02 data element.

**"09" Record - Date/Time Reference**

This record maps to the 1/DTM/150 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "09".
02	03 - 05	X(3)	Date/Time Qualifier. See DTM01 data element.
03	06 - 08	9(3)	Century. See DTM05 data element.
04	09 - 14	YYMMDD	Date. See DTM02 data element.
05	15 - 18	HHMM	Time. See DTM03 data element.
06	19 - 20	X(2)	Time Code. See DTM04 data element.
07	21 - 23	X(3)	Date/Time Period Format Qualifier. See DTM06 data element.
08	24 - 58	X(35)	Date/Time Period. See DTM07 data element.

**"10" Record - Delivery Lead Time**

This record maps to the 1/LDT/160 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "10".
02	03 - 04	X(2)	Lead Time Code. See LDT01 data element.
03	05 - 21	9(17)	Quantity. See LDT02 data element.
04	22 - 23	X(2)	Unit of Time Period or Interval. See LDT03 data element.
05	24 - 29	YYMMDD	Date. See LDT04 data element.

**"11" Record - General Item Description**

This record maps to the 1/PID/190 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "11".
02	03 - 03	X(1)	Item Description Type. See PID01 data element.
03	04 - 06	X(3)	Product/Process Characteristic Code. See PID02 data element.
04	07 - 08	X(2)	Agency Qualifier Code. See PID03 data element.
05	09 - 20	X(12)	Product Description Code. See PID04 data element.
06	21 - 100	X(80)	Description. See PID05 data element.

**"12" Record - Quantity Variations/Limits**

This record maps to the 1/MEA/200 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "12".
02	03 - 04	X(2)	Measurement Reference ID Code. See MEA01 data element.
03	05 - 07	X(3)	Measurement Qualifier. See MEA02 data element.
04	08 - 29	9(22)	Measurement Value. See MEA03 data element.
05	30 - 31	X(2)	Unit or Basis for Measurement Code. See MEA04-C00101 and MEA04 (composite) data elements.
06	32 - 33	X(2)	Unit or Basis for Measurement Code. See MEA04-C00104 and MEA04 (composite) data elements.
07	34 - 55	9(22)	Range Minimum. See MEA05 data element.
08	56 - 77	9(22)	Range Maximum. See MEA06 data element.

**"13" Record - Paperwork**

This record maps to the 1/PWK/210 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "13".
02	03 - 04	X(2)	Report Type Code. See PWK01 data element.
03	05 - 06	X(2)	Report Transmission Code. See PWK02 data element.
04	07 - 09	9(3)	Report Copies Needed. See PWK03 data element.
05	10 - 11	X(2)	Entity Identifier Code. See PWK04 data element.
06	12 - 91	X(80)	Description. See PWK07 data element.
07	92 - 93	X(2)	Paperwork/Report Action Code. See PWK08-C00201 data element.

## "14" Record - Packaging Requirements

This record maps to the 1/PKG/220 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "14".
02	03 - 03	X(1)	Item Description Type. See PKG01 data element.
03	04 - 08	X(5)	Packaging Characteristic Code. See PKG02 data element.
04	09 - 10	X(2)	Agency Qualifier Code. See PKG03 data element.
05	11 - 17	X(7)	Packaging Description Code. See PKG04 data element.
06	18 - 97	X(80)	Description. See PKG05 data element.

**"15" Record - Transportation Method**

This record maps to the 1/TD5/240 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "15".
02	03 - 04	X(2)	Identification Code Qualifier. See TD502 data element.
03	05 - 24	X(20)	Identification Code. See TD503 data element.
04	25 - 26	X(2)	Transportation Method/Type Code. See TD504 data element.
05	27 - 28	X(2)	Service Level Code. See TD512 data element.

**"16" Record - Special Handling/Hazardous Material Information**

This record maps to the 1/TD4/260 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "16".
02	03 - 05	X(3)	Special Handling Code. See TD401 data element.
03	06 - 06	X(1)	Hazardous Material Code Qualifier. See TD402 data element.
04	07 - 10	X(4)	Hazardous Material Class Code. See TD403 data element.
05	11 - 90	X(80)	Description. See TD404 data element.

**"17" Record - Marks and Numbers**

This record maps to the 1/MAN/270 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "17".
02	03 - 04	X(2)	Marks and Numbers Qualifier. See MAN01 data element.
03	05 - 49	X(45)	Marks and Numbers. See MAN02 data element.
04	50 - 94	X(45)	Marks and Numbers. See MAN03 data element.
05	95 - 96	X(2)	Marks and Numbers Qualifier. See MAN04 data element.
06	97 - 141	X(45)	Marks and Numbers. See MAN05 data element.
07	142 - 186	X(45)	Marks and Numbers. See MAN06 data element.

**"20" Record - Required Response**

This record maps to the 1/RRA/280 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "20".
02	03 - 04	X(2)	Information Type. See RRA01 data element.
03	05 - 34	X(30)	Reference Number. See RRA02 data element.

### *Clauses Loop*

The following two record types allow the references to or the inclusion of clauses, OMB circulars, special instructions, or other references that apply to the entire solicitation.

#### "22" Record - Clause Reference

This record maps to the 1/N9/290 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "22".
02	03 - 04	X(2)	Reference Number Qualifier. See N901 data element.
03	05 - 34	X(30)	Reference Number. See N902 data element.
04	35 - 79	X(45)	Free-Form Description. See N903 data element.
05	80 - 85	YYMMDD	Date. See N904 data element.

**"23" Record - Message Text**

This record maps to the 1/MSG/300 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/ Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "23".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

### *Organization/Location Loop*

The following set of records identify the Organizations and Locations applicable to the entire solicitation.

#### "25" Record - Organization/Location Identification

This record maps to the 1/N1/310 segment and two instances of the 1/N2/320 and 1/N3/330 segments.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "25".
02	03 - 04	X(2)	Entity Identifier Code. See N101 data element.
03	05 - 39	X(35)	Name. See N102 data element.
04	40 - 41	X(2)	Identification Code Qualifier. See N103 data element.
05	42 - 61	X(20)	Identification Code. See N104 data element.
06	62 - 96	X(35)	Additional Name 1. See N201 data element.
07	97 - 131	X(35)	Additional Name 2. See N202 data element.
08	132 - 166	X(35)	Additional Name 3. See N201 data element.
09	167 - 201	X(35)	Additional Name 4. See N202 data element.
10	202 - 236	X(35)	Address Information 1. See N301 data element.
11	237 - 271	X(35)	Address Information 2. See N302 data element.
12	272 - 306	X(35)	Address Information 3.

See N301 data element.

13            307 - 341            X(35)            Address Information 4.  
    See N302 data element.

**"26" Record - Geographic Location**

This record maps to the 1/N4/340.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "26".
02	03 - 32	X(30)	City Name. See N401 data element.
03	33 - 34	X(2)	State or Province code. See N402 data element.
04	35 - 45	X(11)	Postal Code. See N403 data element.
05	46 - 48	X(3)	Country Code. See N404 data element.
06	49 - 50	X(2)	Location Qualifier. See N405 data element.
07	51 - 80	X(30)	Location Identifier. See N406 data element.

**"28" Record - Communications Contact**

This record maps to the 1/PER/360 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "28".
02	03 - 04	X(2)	Contact Function Code. See PER01 data element.
03	05 - 39	X(35)	Name. See PER02 data element.
04	40 - 41	X(2)	Communication Number 1 Qualifier. See PER03 data element.
05	42 - 121	X(80)	Communication Number 1. See PER04 data element.
06	122 - 123	X(2)	Communication Number 2 Qualifier. See PER05 data element.
07	124 - 203	X(80)	Communication Number 2. See PER06 data element.
08	204 - 205	X(2)	Communication Number 3 Qualifier. See PER07 data element.
09	206 - 285	X(80)	Communication Number 3. See PER08 data element.
10	286 - 305	X(20)	Contact Inquiry Reference See PER09 data element.

**"29" Record - Transportation Method**

This record maps to the 1/TD5/390 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "29".
02	03 - 04	X(2)	Identification Code Qualifier. See TD502 data element.
03	05 - 24	X(20)	Identification Code. See TD503 data element.
04	25 - 26	X(2)	Transportation Method/Type Code. See TD504 data element.
05	27 - 28	X(2)	Service Level Code. See TD512 data element.

**"30" Record - Special Handling/Hazardous Material Information**

This record maps to the 1/TD4/410 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "30".
02	03 - 05	X(3)	Special Handling Code. See TD401 data element.
03	06 - 06	X(1)	Hazardous Material Code Qualifier. See TD402 data element.
04	07 - 10	X(4)	Hazardous Material Class Code. See TD403 data element.
05	11 - 90	X(80)	Description. See TD404 data element.

**"31" Record - Packaging Requirements**

This record maps to the 1/PKG/420 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "31".
02	03 - 03	X(1)	Item Description Type. See PKG01 data element.
03	04 - 08	X(5)	Packaging Characteristic Code. See PKG02 data element.
04	09 - 10	X(2)	Agency Qualifier Code. See PKG03 data element.
05	11 - 17	X(7)	Packaging Description Code. See PKG04 data element.
06	18 - 97	X(80)	Description. See PKG05 data element.

### *Security Information Loop*

The following set of records provides security information which is normally provided in the Department of Defense Contract Security Classification Specification (DD Form 254). Within this loop are two embedded loops: a Security Organization Loop and a Contractor Access to Security Information Loop.

#### **"35" Record - Security Level Information**

This record maps to the 1/SPI/440 segment.

<u>Field Number</u>	<u>Position Start - End</u>	<u>Format</u>	<u>Field Name/Comments</u>
01	01 - 02	X(2)	Record ID. Must contain the literal "35".
02	03 - 04	X(2)	Security Level Code. See SPI01 data element.
03	05 - 06	X(2)	Reference Number Qualifier. See SPI02 data element.
04	07 - 36	X(30)	Reference Number. See SPI03 data element.
05	37 - 38	X(2)	Transaction Set Purpose Code. See SPI07 data element.
06	39 - 40	X(2)	Report Type Code. See SPI08 data element.
07	41 - 42	X(2)	Security Level Code. See SPI09 data element.

**"36" Record - Security Reference Number Information**

This record maps to the 1/REF/450 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "36".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.
03	05 - 34	X(30)	Reference Number. See REF02 data element.

**"37" Record - Security Date Information**

This record maps to the 1/DTM/460 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "37".
02	03 - 05	X(3)	Date/Time Qualifier. See DTM01 data element.
03	06 - 08	9(3)	Century. See DTM05 data element.
04	09 - 14	YYMMDD	Date. See DTM02 data element.

**"38" Record - General Security Information**

This record maps to the 1/MSG/470 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/ Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "38".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

### *Security Organization Loop*

The following set of records identify the organizations applicable to the DD Form 254 associated with the solicitation instrument.

#### "39" Record - Security Organization Identification

This record maps to the 1/N1/490, 1/N4/520, and 1/G61/540 segments and two instances of the 1/N2/500 and 1/N3/510 segments.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "39".
02	03 - 04	X(2)	Entity Identifier Code. See N101 data element.
03	05 - 39	X(35)	Name. See N102 data element.
04	40 - 41	X(2)	Identification Code Qualifier. See N103 data element.
05	42 - 61	X(20)	Identification Code. See N104 data element.
06	62 - 96	X(35)	Additional Name 1. See N201 data element.
07	97 - 131	X(35)	Additional Name 2. See N202 data element.
08	132 - 166	X(35)	Additional Name 3. See N201 data element.
09	167 - 201	X(35)	Additional Name 4. See N202 data element.
10	202 - 236	X(35)	Address Information 1. See N301 data element.

11	237 - 271	X(35)	Address Information 2. See N302 data element.
12	272 - 306	X(35)	Address Information 3. See N301 data element.
13	307 - 341	X(35)	Address Information 4. See N302 data element.
14	342 - 371	X(30)	City Name. See N401 data element.
15	372 - 373	X(2)	State or Province Code. See N402 data element.
16	374 - 384	X(11)	Postal Code. See N403 data element.
17	385 - 387	X(3)	Country Code. See N404 data element.
18	388 - 389	X(2)	Location Qualifier. See N405 data element.
19	390 - 419	X(30)	Location Identifier. See N406 data element.
20	420 - 421	X(2)	Contact Function Code. See G6101 data element.
21	422 - 456	X(35)	Name. See G6102 data element.
22	457 - 458	X(2)	Communication Number Qualifier. See G6103 data element.
23	459 - 538	X(80)	Communication Number. See G6104 data element.
24	539 - 558	X(20)	Contact Inquiry Reference. See G6105 data element.

**"40" Record - Organization Plain Text Information**

This record maps to the 1/MSG/550 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "40".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

*Contractor Access to Security Information Loop*

The following set of records specifies contractor access to security information in accordance with the applicable DD Form 254 associated with the solicitation instrument.

**"41" Record - Security Information Access Information**

This record maps to the 1/CB1/560 and 1/LDT/590 segments.

<u>Field Number</u>	<u>Position Start - End</u>	<u>Format</u>	<u>Field Name/Comments</u>
01	01 - 02	X(2)	Record ID. Must contain the literal "41".
02	03 - 04	X(2)	Acquisition Data Code. See CB101 data element.
03	05 - 06	X(2)	Lead Time Code. See LDT01 data element.
04	07 - 23	9(17)	Quantity. See LDT02 data element.
05	24 - 25	X(2)	Unit of Time Period or Interval. See LDT03 data element.

**"42" Record - Security Information Access Reference Numbers**

This record maps to the 1/REF/570 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "42".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.
03	05 - 34	X(30)	Reference Number. See REF02 data element.
04	35 - 114	X(80)	Description. See REF03 data element.

**"43" Record - Security Information Access Date Information**

This record maps to the 1/DTM/580 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "43".
02	03 - 05	X(3)	Date/Time Qualifier. See DTM01 data element.
03	06 - 08	9(3)	Century. See DTM05 data element.
04	09 - 14	YYMMDD	Date. See DTM02 data element.

**"44" Record - Security Information Access Clear Text Information**

This record maps to the 1/MSG/600 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "44".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

*Document Detail Records*

These records are used to generate the segments in Table 2 of the 840 transaction set.

**"46" Record - Line Item Identification & Pricing Arrangement**

This record maps to the 2/PO1/010 and 2/CN1/025 segments.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "46".
02	03 - 13	X(11)	Assigned Identification. See PO101 data element.
03	14 - 24	9(11)	Quantity Ordered. See PO102 data element.
04	25 - 26	X(2)	Unit or Basis for Measurement Code. See PO103 data element.
05	27 - 45	9(19)	Unit Price. See PO104 data element.
06	46 - 47	X(2)	Basis of Unit Price Code. See PO105 data element.

07        48 - 49        X(2)        Product/Service ID Qualifier.  
                            See PO106 data element.

DPCSC Special Instructions: Cite code 'PD' for a Supply CLIN/SUBCLIN; code 'SV' for a Service CLIN/SUBCLIN; code 'EF' for DD Form 1423 Exhibit; or code 'A8' for an ELIN.

08        50 - 89        X(40)        Product/Service ID.  
                            See PO107 data element.

DPCSC Special Instructions: When Field Number 07 is code 'EF', cite the applicable Exhibit letter. Applications that cannot cite an Exhibit letter shall cite DD FORM 1423.

09        90 - 91        X(2)        Product/Service ID Qualifier.  
                            See PO108 data element.

10        92 - 131        X(40)        Product/Service ID.  
                            See PO109 data element.

11        132 - 133        X(2)        Product/Service ID Qualifier.  
                            See PO110 data element.

12        134 - 173        X(40)        Product/Service ID.  
                            See PO111 data element.

13        174 - 175        X(2)        Product/Service ID Qualifier.  
                            See PO112 data element.

14        176 - 215        X(40)        Product/Service ID.  
                            See PO113 data element.

15        216 - 217        X(2)        Product/Service ID Qualifier.  
                            See PO114 data element.

16        218 - 257        X(40)        Product/Service ID.  
                            See PO115 data element.

17        258 - 259        X(2)        Product/Service ID Qualifier.  
                            See PO116 data element.

18        260 - 299        X(40)        Product/Service ID.  
                            See PO117 data element.

19        300 - 301        X(2)        Product/Service ID Qualifier.  
                            See PO118 data element.

20        302 - 341        X(40)        Product/Service ID.  
                            See PO119 data element.

21	342 - 343	X(2)	Product/Service ID Qualifier. See PO120 data element.
22	344 - 383	X(40)	Product/Service ID. See PO121 data element.
23	384 - 385	X(2)	Product/Service ID Qualifier. See PO122 data element.
24	386 - 425	X(40)	Product/Service ID. See PO123 data element.
25	426 - 427	X(2)	Product/Service ID Qualifier. See PO124 data element.
26	428 - 467	X(40)	Product/Service ID. See PO125 data element.
27	468 - 469	X(2)	Contract Type Code. See CN101 data element.

**"47" Record - Additional Item Detail**

This record maps to the 2/PO3/030 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "47".
02	03 - 04	X(2)	Change Reason Code. See PO301 data element.
03	05 - 07	X(3)	Price Identifier Code. See PO303 data element.
04	08 - 26	9(19)	Unit Price. See PO304 data element.
05	27 - 43	9(17)	Quantity. See PO306 data element.
06	44 - 45	X(2)	Unit or Basis for Measurement Code. See PO307 data element.

**"48" Record - Line Item Pricing Information**

This record maps to the 2/CTP/040 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "48".
02	03 - 05	X(3)	Price Identifier Code. See CTP02 data element.
03	06 - 22	9(17)	Quantity. See CTP04 data element.
04	23 - 24	X(2)	Unit or Basis for Measurement Code. See CTP05 data element.
05	25 - 34	X(10)	Condition Value. See CTP10 data element.

## "49" Record - Line Item Measurement

This record maps to the 2/MEA/049 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "49".
02	03 - 04	X(2)	Measurement Reference ID Code. See MEA01 data element.
03	05 - 07	X(3)	Measurement Qualifier. See MEA02 data element.
04	08 - 29	9(22)	Measurement Value. See MEA03 data element.
05	30 - 31	X(2)	Unit or Basis for Measurement Code. See MEA04-C00101 and MEA04 (composite) data elements.
06	32 - 33	X(2)	Unit or Basis for Measurement Code. See MEA04-C00104 and MEA04 (composite) data elements.
07	34 - 55	9(22)	Range Minimum. See MEA05 data element.
08	56 - 77	9(22)	Range Maximum. See MEA06 data element.

**"50" Record - Line Item Description**

This record maps to the 2/PID/050 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "50".
02	03 - 03	X(1)	Item Description Type. See PID01 data element.
03	04 - 06	X(3)	Product/Process Characteristic Code. See PID02 data element.
04	07 - 08	X(2)	Agency Qualifier Code. See PID03 data element.
05	09 - 20	X(12)	Product Description Code. See PID04 data element.
06	21 - 100	X(80)	Description. See PID05 data element.

DPCSC Special Instructions: Cite code 'X' in Field Number 02 if using both PID02 and PID05. Cite code 'F' if using PID05 without use of PID02. Ignore X12 Comment 1 for use of code 'X'.

**"51" Record - Line Item Paperwork Required**

This record maps to the 2/PWK/070 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "51".
02	03 - 04	X(2)	Report Type Code. See PWK01 data element.
03	05 - 06	X(2)	Report Transmission Code. See PWK02 data element.
04	07 - 09	9(3)	Report Copies Needed. See PWK03 data element.
05	10 - 11	X(2)	Entity Identifier Code. See PWK04 data element.
06	12 - 91	X(80)	Description. See PWK07 data element.
07	92 - 93	X(2)	Paperwork/Report Action Code. See PWK08-C00201 data element.

## "52" Record - Packaging Requirements

This record maps to the 2/PKG/080 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "52".
02	03 - 03	X(1)	Item Description Type. See PKG01 data element.
03	04 - 08	X(5)	Packaging Characteristic Code. See PKG02 data element.
04	09 - 10	X(2)	Agency Qualifier Code. See PKG03 data element.
05	11 - 17	X(7)	Packaging Description Code. See PKG04 data element.
06	18 - 97	X(80)	Description. See PKG05 data element.

**"53" Record - Line Item Physical Details**

This record maps to the 2/PO4/090 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "53".
02	03 - 09	9(7)	Pack. See PO401 data element.
03	10 - 19	9(10)	Size. See PO402 data element.
04	20 - 21	X(2)	Unit or Basis for Measurement Code. See PO403 data element.
05	22 - 26	X(5)	Packaging Code. See PO404 data element.
06	27 - 28	X(2)	Weight Qualifier. See PO405 data element.
07	29 - 39	9(11)	Gross Weight per Pack. See PO406 data element.
08	40 - 41	X(2)	Unit or Basis for Measurement Code. See PO407 data element.
09	42 - 52	9(11)	Gross Volume per Pack. See PO408 data element.
10	53 - 54	X(2)	Unit or Basis for Measurement Code. See PO409 data element.
11	55 - 64	9(10)	Length. See PO410 data element.
12	65 - 74	9(10)	Width. See PO411 data element.
13	75 - 84	9(10)	Height. See PO412 data element.

14	85 - 86	X(2)	Unit or Basis for Measurement Code. See PO413 data element.
15	87 - 93	9(7)	Inner Pack. See PO414 data element.

**"54" Record - Line Item Reference Number**

This record maps to the 2/REF/100 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "54".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.
03	05 - 34	X(30)	Reference Number. See REF02 data element.
04	35 - 114	X(80)	Description. See REF03 data element.

**"55" Record - Line Item Administrative Communications Contact**

This record maps to the 2/PER/110 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "55".
02	03 - 04	X(2)	Contact Function Code. See PER01 data element.
03	05 - 39	X(35)	Name. See PER02 data element.
04	40 - 41	X(2)	Communication Number 1 Qualifier. See PER03 data element.
05	42 - 121	X(80)	Communication Number 1. See PER04 data element.
06	122 - 123	X(2)	Communication Number 2 Qualifier. See PER05 data element.
07	124 - 203	X(80)	Communication Number 2. See PER06 data element.
08	204 - 205	X(2)	Communication Number 3 Qualifier. See PER07 data element.
09	206 - 285	X(80)	Communication Number 3. See PER08 data element.
10	286 - 305	X(20)	Contact Inquiry Reference. See PER09 data element.

**"56" Record - Line Item Services, Promotions, Allowances, and Charges**

This record maps to the 2/SAC/130 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "56".
02	03 - 03	X(1)	Allowance or Charge Indicator. See SAC01 data element.
03	04 - 07	X(4)	Service, Promotion, Allowance, or Charge Code. See SAC02 data element.

**"57" Record - Line Item Sales Conditions, Terms, and Discounts**

This record maps to the 2/IT8/140 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "57".
02	03 - 04	X(2)	Sales Requirement Code. See IT801 data element.
03	05 - 06	X(2)	Product/Service Substitution Code. See IT807 data element.

**"60" Record - Line Item FOB Point**

This record maps to the 2/FOB/180 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "60".
02	03 - 04	X(2)	Shipment Method of Payment. See FOB01 data element.
03	05 - 06	X(2)	Location Qualifier. See FOB02 data element.
04	07 - 08	X(2)	Location Qualifier. See FOB06 data element.

**"61" Record - Line Item Destination Quantity**

This record maps to the 2/SDQ/190 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "61".
02	03 - 04	X(2)	Unit or Basis for Measurement Code. See SDQ01 data element.
03	05 - 06	X(2)	Identification Code Qualifier. See SDQ02 data element.
04	07 - 26	X(20)	Identification Code. See SDQ03 data element.
05	27 - 43	9(17)	Quantity. See SDQ04 data element.
06	44 - 63	X(20)	Identification Code. See SDQ05 data element.
07	64 - 80	9(17)	Quantity. See SDQ06 data element.
08	81 - 100	X(20)	Identification Code. See SDQ07 data element.
09	101 - 117	9(17)	Quantity. See SDQ08 data element.
10	118 - 137	X(20)	Identification Code. See SDQ09 data element.
11	138 - 154	9(17)	Quantity. See SDQ10 data element.
12	155 - 174	X(20)	Identification Code. See SDQ11 data element.

13	175 - 191	9(17)	Quantity. See SDQ12 data element.
14	192 - 211	X(20)	Identification Code. See SDQ13 data element.
15	212 - 228	9(17)	Quantity. See SDQ14 data element.
16	229 - 248	X(20)	Identification Code. See SDQ15 data element.
17	249 - 265	9(17)	Quantity. See SDQ16 data element.
18	266 - 285	X(20)	Identification Code. See SDQ17 data element.
19	286 - 302	9(17)	Quantity. See SDQ18 data element.
20	303 - 322	X(20)	Identification Code. See SDQ19 data element.
21	323 - 339	9(17)	Quantity. See SDQ20 data element.
22	340 - 359	X(20)	Identification Code. See SDQ21 data element.
23	360 - 376	9(17)	Quantity. See SDQ22 data element.

**"62" Record - Line Item Date/Time Reference**

This record maps to the 2/DTM/200 segment.

**DPCSC Special Instructions:** When Field Number 07 in Record 46 is code 'PD', use of Record 62 is preferred to identify the delivery date. Use of Records 09, 10, 70, 73, 86, or 90 are acceptable alternatives. Use this technique for periods of performance and other dates as appropriate to the CLIN/SUBCLIN. For deliveries that are undefinitized or "As Required", do not transmit any coded delivery information.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "62".
02	03 - 05	X(3)	Date/Time Qualifier. See DTM01 data element.
03	06 - 08	9(3)	Century. See DTM05 data element.
04	09 - 14	YYMMDD	Date. See DTM02 data element.
05	15 - 18	HHMM	Time. See DTM03 data element.
06	19 - 20	X(2)	Time Code. See DTM04 data element.
07	21 - 23	X(3)	Date/Time Period Format Qualifier. See DTM06 data element.
08	24 - 58	X(35)	Date/Time Period. See DTM07 data element.

**"63" Record - Line Item Transportation Method**

This record maps to the 2/TD5/250 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "63".
02	03 - 04	X(2)	Identification Code Qualifier. See TD502 data element.
03	05 - 24	X(20)	Identification Code. See TD503 data element.
04	25 - 26	X(2)	Transportation Method/Type Code. See TD504 data element.
05	27 - 28	X(2)	Service Level Code. See TD512 data element.

**"65" Record - Line Item Special Handling/Hazardous Material Information**

This record maps to the 2/TD4/270 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "65".
02	03 - 05	X(3)	Special Handling Code. See TD401 data element.
03	06 - 06	X(1)	Hazardous Material Code Qualifier. See TD402 data element.
04	07 - 10	X(4)	Hazardous Material Class Code. See TD403 data element.
05	11 - 90	X(80)	Description. See TD404 data element.

**"66" Record - Line Item Marks and Numbers**

This record maps to the 2/MAN/280 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "66".
02	03 - 04	X(2)	Marks and Numbers Qualifier. See MAN01 data element.
03	05 - 49	X(45)	Marks and Numbers. See MAN02 data element.
04	50 - 94	X(45)	Marks and Numbers. See MAN03 data element.
05	95 - 96	X(2)	Marks and Numbers Qualifier. See MAN04 data element.
06	97 - 141	X(45)	Marks and Numbers. See MAN05 data element.
07	142 - 186	X(45)	Marks and Numbers. See MAN06 data element.

**"67" Record - Line Item Required Response**

This record maps to the 2/RRA/290 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "67".
02	03 - 04	X(2)	Information Type. See RRA01 data element.
03	05 - 34	X(30)	Reference Number. See RRA02 data element.

**"68" Record - Line Item Message Text**

This record maps to the 2/MSG/295 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/ Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "68".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

**"69" Record - Line Item Security Level Information**

This record maps to the 2/SPI/296 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "69".
02	03 - 04	X(2)	Security Level Code. See SPI01 data element.
03	05 - 06	X(2)	Reference Number Qualifier. See SPI02 data element.
04	07 - 36	X(30)	Reference Number. See SPI03 data element.
05	37 - 168	X(132)	Entity Title. See SPI04 data element.

**"70" Record - Line Item Partial Deliveries to One Address Schedule**

This record maps to the 2/SCH/297 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "70".
02	03 - 19	9(17)	Quantity. See SCH01 data element.
03	20 - 21	X(2)	Unit or Basis for Measurement Code. See SCH02 data element.
04	22 - 24	X(3)	Date/Time Qualifier. See SCH05 data element.
05	25 - 30	YYMMDD	Date. See SCH06 data element.
06	31 - 34	HHMM	Time. See SCH07 data element.
07	35 - 37	X(3)	Date/Time Qualifier. See SCH08 data element.
08	38 - 43	YYMMDD	Date. See SCH09 data element.
09	44 - 47	HHMM	Time. See SCH10 data element.
10	48 - 92	X(45)	Request Reference Number. See SCH11 data element.

### *Line Item Lead Time Delivery Schedule Loop*

The following records provide information on the lead time delivery schedule and applicable reference numbers when they vary by line item.

#### "73" Record - Line Item Delivery Lead Time

This record maps to the 2/LDT/302 and 2/MSG/304 segments.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "73".
02	03 - 04	X(2)	Lead Time Code. See LDT01 data element.
03	05 - 21	9(17)	Quantity. See LDT02 data element.
04	22 - 23	X(2)	Unit of Time Period or Interval. See LDT03 data element.
05	24 - 29	YYMMDD	Date. See LDT04 data element.
06	30 - 293	X(264)	Free-Form Text Message. See MSG01 data element.

**"74" Record - Line Item Lead Time Quantity**

This record maps to the 2/QTY/303.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "74".
02	03 - 04	X(2)	Quantity Qualifier. See QTY01 data element.
03	05 - 21	9(17)	Quantity. See QTY02 data element.
04	22 - 23	X(2)	Unit or Basis for Measurement Code. See QTY03 data element.

*CDRL Delivery Loop*

The following two records provide codes from DoD 5010.12-M that identify the frequency of delivery for a CDRL data item.

"76" Record - Line Item CDRL Code Source Information

This record maps to the 2/LM/305 segment.

<u>Field Number</u>	<u>Position Start - End</u>	<u>Format</u>	<u>Field Name/Comments</u>
01	01 - 02	X(2)	Record ID. Must contain the literal "76".
02	03 - 04	X(2)	Agency Qualifier Code. See LM01 data element.

**"77" Record - Line Item CDRL Frequency Code**

This record maps to the 2/LQ/306 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "77".
02	03 - 05	X(3)	Code List Qualifier Code. See LQ01 data element.
03	06 - 25	X(20)	Industry Code. See LQ02 data element.

*Line Item Clauses Loop*

The following two record types allow the references to, or the inclusion of clauses, OMB circulars, special instructions, or other references that apply to a specific line item.

**"79" Record - Line Item Clause Reference**

This record maps to the 2/N9/320 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "79".
02	03 - 04	X(2)	Reference Number Qualifier. See N901 data element.
03	05 - 34	X(30)	Reference Number. See N902 data element.
04	35 - 79	X(45)	Free-Form Description. See N903 data element.
05	80 - 85	YYMMDD	Date. See N904 data element.

**"80" Record - Line Item Clause Message Text**

This record maps to the 2/MSG/330 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "80".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

### *Line Item Organization/Location Loop*

The following set of records identify the Organizations and Locations applicable to a specific line item.

#### "81" Record - Line Item Organization/Location Identification

This record maps to the 2/N1/340 segment, two instances of the 2/N2/350 and 2/N3/360 segments, and one instance of the 2/N4/370 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "81".
02	03 - 04	X(2)	Entity Identifier Code. See N101 data element.
03	05 - 39	X(35)	Name. See N102 data element.
04	40 - 41	X(2)	Identification Code Qualifier. See N103 data element.
05	42 - 61	X(20)	Identification Code. See N104 data element.
06	62 - 96	X(35)	Additional Name 1. See N201 data element.
07	97 - 131	X(35)	Additional Name 2. See N202 data element.
08	132 - 166	X(35)	Additional Name 3. See N201 data element.
09	167 - 201	X(35)	Additional Name 4. See N202 data element.
10	202 - 236	X(35)	Address Information 1. See N301 data element.
11	237 - 271	X(35)	Address Information 2. See N302 data element.

12	272 - 306	X(35)	Address Information 3. See N301 data element.
13	307 - 341	X(35)	Address Information 4. See N302 data element.
14	342 - 371	X(30)	City Name. See N401 data element.
15	372 - 373	X(2)	State or Province code. See N402 data element.
16	374 - 384	X(11)	Postal Code. See N403 data element.
17	385 - 387	X(3)	Country Code. See N404 data element.
18	388 - 389	X(2)	Location Qualifier. See N405 data element.
19	390 - 419	X(30)	Location Identifier. See N406 data element.

**"84" Record - Line Item Organization/Location Communications Contact**

This record maps to the 2/PER/390 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "84".
02	03 - 04	X(2)	Contact Function Code. See PER01 data element.
03	05 - 39	X(35)	Name. See PER02 data element.
04	40 - 41	X(2)	Communication Number 1 Qualifier. See PER03 data element.
05	42 - 121	X(80)	Communication Number 1. See PER04 data element.
06	122 - 123	X(2)	Communication Number 2 Qualifier. See PER05 data element.
07	124 - 203	X(80)	Communication Number 2. See PER06 data element.
08	204 - 205	X(2)	Communication Number 3 Qualifier. See PER07 data element.
09	206 - 285	X(80)	Communication Number 3. See PER08 data element.
10	286 - 305	X(20)	Contact Inquiry Reference. See PER09 data element.

**"86" Record - Line Item Organization/Location Schedule**

This record maps to the 2/SCH/405 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "86".
02	03 - 19	9(17)	Quantity. See SCH01 data element.
03	20 - 21	X(2)	Unit or Basis for Measurement Code. See SCH02 data element.
04	22 - 24	X(3)	Date/Time Qualifier. See SCH05 data element.
05	25 - 30	YYMMDD	Date. See SCH06 data element.
06	31 - 34	HHMM	Time. See SCH07 data element.
07	35 - 37	X(3)	Date/Time Qualifier. See SCH08 data element.
08	38 - 43	YYMMDD	Date. See SCH09 data element.
09	44 - 47	HHMM	Time. See SCH10 data element.
10	48 - 92	X(45)	Request Reference Number. See SCH11 data element.

**"87" Record - Line Item Organization/Location Transportation Method**

This record maps to the 2/TD5/420 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "87".
02	03 - 04	X(2)	Identification Code Qualifier. See TD502 data element.
03	05 - 24	X(20)	Identification Code. See TD503 data element.
04	25 - 26	X(2)	Transportation Method/Type Code. See TD504 data element.
05	27 - 28	X(2)	Service Level Code. See TD512 data element.

**"88" Record - Line Item Organization/Location Special  
Handling/Hazardous Material Information**

This record maps to the 2/TD4/440 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/ Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "88".
02	03 - 05	X(3)	Special Handling Code. See TD401 data element.
03	06 - 06	X(1)	Hazardous Material Code Qualifier. See TD402 data element.
04	07 - 10	X(4)	Hazardous Material Class Code. See TD403 data element.
05	11 - 90	X(80)	Description. See TD404 data element.

**"89" Record - Line Item Organization/Location Packaging Requirements**

This record maps to the 2/PKG/450 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "89".
02	03 - 03	X(1)	Item Description Type. See PKG01 data element.
03	04 - 08	X(5)	Packaging Characteristic Code. See PKG02 data element.
04	09 - 10	X(2)	Agency Qualifier Code. See PKG03 data element.
05	11 - 17	X(7)	Packaging Description Code. See PKG04 data element.
06	18 - 97	X(80)	Description. See PKG05 data element.

*Line Item Organization/Location Lead Time and Delivery Schedule Loop*

The following records provide delivery schedule and marks and numbers for shipping containers of products and services when the delivery schedule for a line item varies by ship-to address.

"90" Record - Line Item Organization/Location Delivery Lead Time  
This record maps to the 2/LDT/470 segment.

Field Number	Position Start - End	Format	Field Name/Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "90".
02	03 - 04	X(2)	Lead Time Code. See LDT01 data element.
03	05 - 21	9(17)	Quantity. See LDT02 data element.
04	22 - 23	X(2)	Unit of Time Period or Interval. See LDT03 data element.
05	24 - 29	YYMMDD	Date. See LDT04 data element.

**"91" Record - Line Item Organization/Location Marks and Numbers**

This record maps to the 2/MAN/480 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "91".
02	03 - 04	X(2)	Marks and Numbers Qualifier. See MAN01 data element.
03	05 - 49	X(45)	Marks and Numbers. See MAN02 data element.
04	50 - 94	X(45)	Marks and Numbers. See MAN03 data element.
05	95 - 96	X(2)	Marks and Numbers Qualifier. See MAN04 data element.
06	97 - 141	X(45)	Marks and Numbers. See MAN05 data element.
07	142 - 186	X(45)	Marks and Numbers. See MAN06 data element.

**"92" Record - Line Item Organization/Location Quantity**

This record maps to the 2/QTY/490 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "92".
02	03 - 04	X(2)	Quantity Qualifier. See QTY01 data element.
03	05 - 21	9(17)	Quantity. See QTY02 data element.
04	22 - 23	X(2)	Unit or Basis for Measurement Code. See QTY03 data element.

**"93" Record - Line Item Organization/Location Message Text**

This record maps to the 2/MSG/500 segment.

<b>Field Number</b>	<b>Position Start - End</b>	<b>Format</b>	<b>Field Name/ Comments</b>
01	01 - 02	X(2)	Record ID. Must contain the literal "93".
02	03 - 266	X(264)	Free-Form Message Text. See MSG01 data element.

*Document Summary Record*

This record is used to generate the segments in Table 3 of the 840 transaction set.

**"99" Record - Transaction Totals**

This record maps to the 3/CTT/010 AND 3/SE/020 segments.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "99".
02	03 - 09	9(7)	Number of Line Items. See CTT01 data element.
03	10 - 21	9(12)	Hash Total. See CTT02 data element.
04	22 - 30	X(9)	Transaction Set Control Number. See SE02 data element. THIS FIELD WILL ONLY EXIST FOR INBOUND UDFs.